

Begin  
# 97  
6

SEMENOVA, Ye.S.; OSIPOV, I.N.; ROGOV, S.P.; ZELENTSOVA, V.A.

Air-steam regeneration of a coked aluminocobalt-molybdenum catalyst. Neftaper. i neftekhim. no.8:16-18 '63.

(MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

GLEBOVA, Iveta Ivanovna; ZELENTOV, Vsevolod Aleksseyevich; IVANOV, Vladimir Vladimirovich; NIKULIN, Nikolay Ivanovich; SHILTOVA, Alla Petrovna; OSHANIN, I.M., prof., red.; VU DANG AT, red.; SFEKTOROV, L.D., red.; ZELENTOVA, Ye.B., red.; SOBOLEVSKAYA, E.S., tekhn.red.

[Vietnamese-Russian dictionary] V'ietnamsko-russkii slovar'.  
Sost. I.I.Glebova i dr. Pod red. I.M.Oshanina i Vu Dang Ata.  
Okolo 36000 slov. Moskva, Gos.izd-vo inostr.i natsional'nykh  
slovarsei, 1961. 616 p. (MIRA 14:4)

2. Vostochnaya redaktsiya Gosudarstvennogo izdatel'stva ino-  
strannykh i natsional'nykh slovarey (for Ye.B.Zelentsova,  
Spektorov).

(Annamese language--Dictionaries--Russian)

ZELENTSOVA, Ye. K.

"The Cytological Condition of Pus in Purulent-Inflammatory Diseases of the Mandible and Surrounding Tissues," Stomatologiya, No. 1, 1948.

Mbr., Moscow Stomatological Inst., -cl948-.

ZELENUKHIN, I.

491 Bor'ba s poteryami- glavnoye v  
uborke urozhaya. Kemerovo, kn. izd., 1954. 44s, s ill 3  
1 l. chert. 20 sm. 5.000 ekz. 75 k.- 54-54717 p  
633.1; 631.55 (57.15)

SO: Knizhnaya Letopis, Vol. 1, 1955

1. ZELENUKHIN, I. A. KUPROV, A. V.
2. USSR (600)
4. Gor'kiy Province-Agriculture-Study and Teaching
7. House of the Agronomist in Gor'kiy Province. Dest. sel'khoz. no 11 N 152.
  
9. Monthly List Of Russian Accessions, Library of Congress, March 1953. Unclassified.

TUSHINA, K.Ya.; ZELENUKHIN, S.A., redaktor

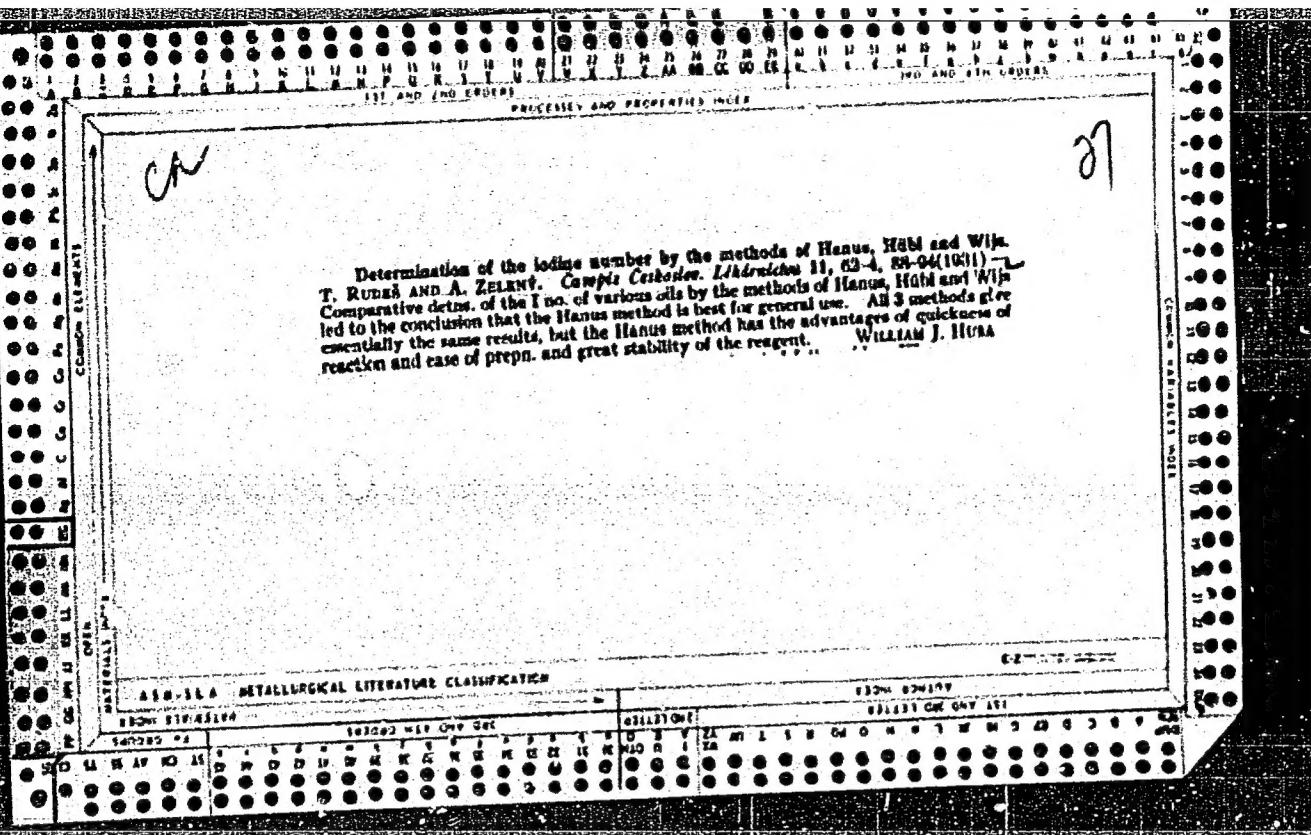
[Let us increase the number of sheep] Uvelichim pogolov'e ovets,  
[Gor'kii] Gor'kovskoe kn-vo, 1954. 36 p. (MIRA 9:11)  
(Sheep)

ZELENY, A

"1st International Symposium on the Physiology of Work."

CESKOSLOVENSKA FYSIOLOGIE, Praha, Czechoslovakia, Vol. 7, no. 4, July 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59  
Unclassified



ZELENY, Adolf

"Physiological Viewpoints in Drawing up Work and Rest Regimens," Ceskoslovenska Hygiena, Vol. V, No. 6, Prague, Jul 1960, p. 386.

Affiliation: Department of Physiology, Medical Faculty, Plzen.

ZELENY, Adolf

Role of mechanization and automation in shortening the work  
day. Zdrav. aktuality 152:126-132 '63.

1. Fyziologicky ustav KU, Plzen.  
(INDUSTRIAL MEDICINE) (TECHNOLOGY)  
(AUTOMATION)

ZELENY, A.; KOZAK, J.; MAINEROVA, J.; KRIZ, M.; NOVOTNY, V.; SUCHY, R.;  
STOLARIK, R.

Complex research on forestry work with power saws. Conclusions for  
practical considerations. Acta univ. carol. [Med] Suppl. 15:211-217  
'61.

1. Fysiologicky ustav lek. fak. University Karlovy se sidlem v Plzni,  
Odd. chorob z povolani KUNZ v Plzni, Vyzkumny ustav lesniho hospodarstvi  
ve Zbraslavi, Ustav bezpecnosti prace ROH v Praze a Krajska sprava lesu  
v Plzni.

(INDUSTRIAL MEDICINE)

ZELENY, A.; KOZAK, J.; KRIZ, M.

Calorimetry during the work with power saws. Pracovni lek. 14 no.5:  
218-221 Je '62.

1. Fyziologicky ustav lekarske fakulty Karlovy university v Pizni,  
prednosta doc. dr. A. Zeleny, Vyzkumny ustav lesniho hospodarstvi  
a myslivosti na Zbraslavu, reditel inz. J. Sobotka.  
(METABOLISM) (EXERTION)

ZMELNY, A.

Effect of x-irradiation on the level of histamine in blood.  
Cas. lek. cesk. 89 no.35-36:998-1002 1 Sept 1950. (CIML 20:1)

1. Of the Institute of Physiology of the Medical Faculty in  
Pilsen.

ZELENÝ, ADOLF

✓ The effect of the x-ray irradiation on the histamine level  
in blood. Adolf Zelený (Fyziol. ústav, Plzeň). Časopis  
českého křesťanského svazu. Normal values of  
blood histamine (1) is found in healthy persons, the level of  
which is slightly increased before irradiation.

ZELENÝ, V.

VANYSEK, J;VAVRA, R;ZELENÝ, V.

Method of electroretinography in man. Cesk. oft. 8 no.1:1-8  
Jan 1952. (CLMIL 22:2)

1. Of the Institute of Experimental Pathology and of the Eye  
Clinic of the Military Medical Academy in Hradec Kralove.

HUBAC, M.; POUPA, O.; ZELENÝ, A.

Closing remarks on nutrition of workers exposed to heat. Sborn. patho-fysiol. trav. vyz. 7 no.1-4:75-79 June 1953. (CML 25:1)

1. Of the Research Institute of Nutrition (Director--Docent J. Masek, M. D.), Prague and of the Institute of Physiology of Charles University Branch in Pilsen and of the Regional Institute of Labor Hygiene and of Occupational Diseases, Bratislava.

V

Country : GDR

Category: Pharmacology. Toxicology. Tranquilizers.

Abs Jour: RZhBiol., No 6, 1959, No 27689

Author : Lindaure, V.; Zeleny, A.

Inst :  
Title : On the Influence of Chlorpromazine on the Toxicity  
of Acetylcholine and on Its Action on Metabolism.

Orig Pub: Pharmazie, 1958, 13, No 2, 77-79

Abstract: In experiments on rats and mice, chlorpromazine (I;  
10-20 mg/kg), introduced 1 hour before intraperitoneal  
injection of 350 mg/kg (DLm50) of acetylcholine, in-  
creased the mortality of the animals to 100%. I  
and acetylcholine in separate introduction decreased  
the excretion of CO<sub>2</sub> in mice by 43 and 23.5% respec-

Card : 1/2

V-9

Abs Jour: RZhBiol., No 6, 1959, No 27689

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964310001-6"  
L.B. Nurmand

Card : 2/2

*LELENY, 7.*

GDR/Pharmacology and Toxicology - Tranquillizers.

V-2

Abs Jour : Ref Zhur - Biol., No 21, 1953, 98426

Author : Lelemy, A., Kozak, J.

Inst :

Title : Influence of Chloropromazine on the Musculus Rectus  
Abdominis of the Frog.

Orig Pub : Pharmazie, 1958, 13, No 4, 200-202

Abstract : Low concentrations (up to 10  $\mu$ /ml) of largactyl (I) weakened the contraction of an isolated musculus rectus abdominis of frog, induced by acetylcholine (II). A direct effect of I appeared also on the isolated heart of the frog: 3  $\mu$  of I induced atrio-ventricular block; lowering of cardiac muscle sensitivity to II. Addition of Ca made the effect of I more potent. Dimercaptopropanol restored the muscle sensitivity to II. I also weakened tetanic contractions of the muscle, conditioned by

Card 1/2

- 6 -

ZELENÝ, A.; MICHAL, F.

Certain parameters of central irritability during physical work.  
Cesk. fysiol. 9 no.1:71-72 Ja 60.

1. Fysiologicky učastav lek. fak. KU, Plzen.  
(EXERTION)  
(CENTRAL NERVOUS SYSTEM physiol.)

CERHOVA, M.; SIDLOVA, A.; ZELENY, A.

The effect of skin inflammation on blood content of serotonin and h  
histamine. Physiol. Bohemoslov. 11 no.2:136-141 '62.

1. Institute of Physiology, Medical Faculty of Charles University,  
Plzen.

(ULTRAVIOLET RAYS) (DERMATITIS experimental.)  
(SEROTONIN blood) HISTAMINE blood)

CZECHOSLOVAKIA

UDC 612.766.1.014.32

ZELENY, Adolf; KORINEK, Frantisek; Institute of Work Hygiene and Occupational Diseases (Ustav Hygieny Prace a Chorob z Povolani), Prague, Director (Reditel) Prof Dr J. TEISINGER.

"Fatigue Exhaustion from the Point of View of Work Physiology."

Prague, Pracovni Lekarstvi, Vol 18, No 4, May 66, pp 171 - 175

**Abstract:** The difference between subjective and objective work fatigue is discussed. Local fatigue, due to the straining of some definite parts of the body, and central fatigue, due to the strain on the nervous system, are described. The symptoms of fatigue are reviewed. The physiological causes of fatigue are discussed. Various degrees of fatigue: acute and simple, overexertion, chronic fatigue, overwork, and exhaustion are described. Prevention of fatigue is discussed. 39 Western, 4 Czech, 9 Russian, 1 East German reference. (Manuscript received 22 Jun 65).

1/1

- 123 -

ZELENY, Adolf

Physiology of work in 15 years of the development of socialism  
in our country. Pracovni lek. 12 no. 10: 497-499 D '60.

1. Fyziologicky ustav lekarske fakulty v Plzni.  
(INDUSTRIAL MEDICINE)

L 39911-66 EWP(k)/EWP(h)/EWP(l)/EWP(e)/EWP(v)/EWP(t)/ETI IJP(c) AT/WH/JD/JG  
ACC NR: AP6029392

SOURCE CODE: CZ/0031/66/014/001/0024/0030

36  
B

AUTHOR: Zeleny, Bohuslav

ORG: Chronotechna, n.p., Nove Mesto nad Metuji

TITLE: Production of sintered carbide dies by means of the electric spark erosion  
method

SOURCE: Strojirenska výroba, v. 14, no. 1, 1966, 24-30

TOPIC TAGS: die, sintering, machine tool, production engineering

ABSTRACT: The article presents numerous examples from the operation of the  
Chronotechna Sternberk, National Enterprise, and points out the possibilities of  
using electric spark erosion equipment in the production of sintered carbide  
dies. Orig. art. has: 14 figures. [JPRS: 35,328]

SUB CODE: 13, 09 / SUBM DATE: none

ns  
Card 1/1

UDC: 621.979.02: 621.9.018: 669.018.25:  
621.9.25.002.3:669.018.25

0977 0637

KOTLYARSKIY, L.B.; ZELENAYA, A.V.; KISHINEVSKAYA, Z.M.; ZELENYY, A.G.

Application of ultrasonic waves in the manufacture of paint  
materials. Lakokras. mat. i ikh prim. no.5:51-57 '63.  
(MIRA 16:11)

1. Proyektno-konstruktorskiy institut soveta narodnogo  
khozyaystva Moldavskoy SSR i lakokrasochnyy zavod "Krasnaya  
zvezda".

NOVAK, Tomas, inz.; ZELENY, Evzen

Mechanization of glass melting-pot transfer. Sklar a keramik  
15 no. 2:51 F '65.

1. Lustry National Enterprise, Kamenicky Senov.

82574

Z/032/60/010/009/003/006  
E073/E535

16.6200

AUTHOR: Zelený, F., EngineerTITLE: Basic Properties of InstrumentsPERIODICAL: Strojírenství, 1960, Vol.10, No.9, pp 690-695

TEXT: The author gives a brief systematic review of the basic properties of instruments, namely, the sensitivity, accuracy, reliability and service life. Expressions for the sensitivity are given for the case of linear and non-linear scales. The accuracy of an instrument is expressed by the difference between the indication of the scale and the accurate value, whereby the instrument is calibrated in accordance with the arithmetic mean obtained under differing operating conditions. The degree of accuracy is expressed by the maximum variance  $V_{\max}$ . Systematic errors (resulting for instance in changes of temperature, air pressure etc.) can usually be taken into consideration. The accuracy of reading of the scale should be commensurate with the accuracy of measurement. The reliability is expressed by the probability that the instrument will give correct readings under operating conditions, for instance, a

Card: 1/3

82574

Z/032/60/010/009/003/006

E073/E535

**Basic Properties of Instruments**

reliability of 99.8% means that of 1000 readings two are likely to be unreliable. The reliability of an instrument is calculated by the probability of failure of its individual components expressed by

$$S \doteq 1 - \sum_{v=1}^n a(v), \quad (24)$$

The service life is expressed also in terms of probability of the instrument being able to function for a certain period of time or for a certain number of measurements. In this case the probable service life  $Z$  can be expressed as follows:

$$Z \doteq 1 - \sum_{k=1}^n b(k), \quad (26)$$

where  $b(k)$  is the probability of continuous unreliability of an element of the instrument for  $k = 1, 2, 3, \dots, n$ . Due to the continuously increasing requirements to be met in metering and automation, instruments will have to be subjected to thorough

Card 2/3

82574

Z/032/60/010/009/003/006  
E073/E535

**Basic Properties of Instruments**

verification tests and accurate and reliable methods of determining the qualities of instruments will have to be worked out so as to achieve uniform and continuous improvement in the quality of the instruments. The present practice in this field is not commensurate with the present state of engineering developments. There are 7 figures and 5 references: 4 Czech and 1 English. X

**ASSOCIATION:** Státní výzkumný ústav tepelné techniky, Praha  
(State Research Institute of Thermal Engineering,  
Prague)

Card 3/3

CZECHOSLOVAKIA/Acoustics - Noise.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 13915

Author : Zeleny, F.

Inst :

Title : Noise in Municipal Transport Means.

Orig Pub : Strojirnastv., 1958, 8, No 8, 577-582

Abstract : Results are reported on the series of investigations on the disclosure of the causes of noise produced by the trolley buses of the Prague transport system, and possibility of reducing this noise.

Card 1/1

- 112 -

ZELENY, F.

The noise conditions in Prague, the capital city. p. 671. (POKROKY MATEMATIKY,  
FYSIKY A ASTRONOMIE, Vol. 1, No. 5/6, 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) I.C, Vol. 6, No. 12, Dec 1957. Uncl.

ZELENY, J.; BILEK, D. - Inzenyrské Stavby Vol. 3, no. 2, Feb. 1955

Roof structures of prestressed concrete. p.46

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

ZELENY, Jaromir, inz., G.Sc.

Characteristics of the electrohydraulic servodrives series SPH.  
Automatizace 5 no.11:301-305 N 162.

1. Vyzkumy ustav obrabecich stroju a obrabeni.

ZELENY, Jiri, dr.

Hemerobiidae (Neuroptera) from Czechoslovakia. Cas entom.  
60 no.1/2:55-67 '63.

1. Institute of Entomology, Czechoslovak Academy of Sciences,  
Praha 2, Vinicna 7.

ZELENY, Jiri

The effect of insecticides (Fosfotion, Intrition, Soldep) on  
some predators and parasites of aphides (Aphis craccivora  
Koch, Aphis fabae Scop.). Rozpravy mat CSAV 75 no.3:1-73 '65.

ZELENY, Jiri

A contribution to the knowledge of the dragon flies (Odonata) of  
Czechoslovakia. Cas entom 57 no.2:97-111 '60. (EEAI 10:1)

1. Katedra biologie Vysoka skoly pedagogicke, Prague.  
(Czechoslovakia--Dragonflies)

ZELENY, J.

ZELENY, J. Melanism in the Parnassius apollo L. in the Carpathian area of northern Slovakia. p.106.

Vol. 11, no. 2, 1956, BIOLOGIA, BRATISLAVA, CZECHOSLOVAKIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10, Oct. 1956.

ZELENY, Jiri, Dr. (Vinicna 7, Praha 2)

A contribution to the identification of the family Coniopterygidae  
(Neuroptera) in Bohemia. Cas entom 58 no.2:169-179 '61.  
(EEAI 10:9)

1. Institute of Entomology, Czechoslovak Academy of Sciences, Praha.  
(Neuroptera)

ZELENY, Jaroslav, promovany fyzik

International system of units. Zpravodja VZLU no.1:3-5 '62.

ZELENY, Jiri, dr. ( Vinicna 7, Praha 2.)

A contribution to the knowledge of the order Neuroptera in  
Czechoslovakia. Cas entom 59 no.1:59-67 '62

1. Czechoslovak Academy of Sciences, Institute of Entomology,  
Praha.

ZELENY, Jiri, dr.

Differentiation of *Conwentzia psociformis* Curt. from *Conwentzia pineticola* End. (Neuroptera). Cas entom 58 no.4:380-383 '61.

1. Czechoslovak Academy of Sciences, Institute of Entomology, Praha  
2, Vinicna 7.

(Neuroptera)

ZELENY, Jiri, CSc.

*Alauropteryx umbrata* n. sp., a new species of Neuroptera  
from Moldavian S.S.R. (Neuroptera, Coniopterygidae). Cas  
entom 61 no.4:327-329 0 '64.

1. Institute of Entomology of the Czechoslovak Academy of  
Sciences, Prague 2, Vinicna 7. Submitted April 17, 1964.

*ZELENÝ*

PHASE I BOOK EXPLOITATION

CZECH/5120

Meteorologie pro sportovní letce (Meteorology for Sports Flyers) Prague, Haše vojsko, 1960. 241 p. 4,000 copies printed. (Series: Kniznice svazarmu, sv. 5)

Ed.: Karel Zelený; Assistant Editors: For Ch. 2: Mojmír Prokop, Doctor; Ch. 3: Theoretical pt.) Mojmír Prokop, Doctor, and Ivan Černoch, Chs.: 4, 6, and 7: Ondřich Kostka, Doctor; Chs.: 5 and 15: Ladislav Háza, Doctor; Chs.: 8 and 9: Jaroslav Kopáček, Doctor; Ch.: 10: Milan Koldovský and Jiří Horák; Chs.: 11-14: Jiří Förchtgott, Doctor; Resp. Ed.: Jiří Muk.

PURPOSE: This book is intended for sports plane and glider pilots.

COVERAGE: The book, composed to meet the needs of the aeroclubs of Svaz pro spolupráci s armádou (Union for Cooperation With the Army), discusses the principal types of weather phenomena likely to be encountered in flight. The measurement of meteorological elements is described. Meteorological phenomena of particular interest to glider pilots, viz., convection, turbulence, mountain currents, etc., are treated in some detail. Synoptic maps and weather reports are briefly described. Review questions accompany each chapter. No personalities are mentioned. There are 42 references: 7 Soviet, 21 English, 8 Czech, 4 German, and 2 Polish.

Card 1/12

ACC NR: AM6011670

(A)

Monograph

CZ/

Zeleny, Karel, ed.

Universe, earth, and air (Vesmir, zeme, vzduch) Prague, NV, 1965, 257 p. illus.  
4000 copies printed. Series note: Kniznice vojenske techniky, sv. 33

TOPIC TAGS: military science, nuclear weapon, ~~advanced weapon, weapon~~, airborne weapon, military equipment, rocket, aircraft, submarine

PURPOSE AND COVERAGE: This book, directed toward the general reader, discusses contemporary Soviet and Western military technology, including rockets, guns, tanks, aircraft, submarines, aircraft carriers, radar, and thermonuclear weapons.

Introduction -- 5

Defense of socialism -- 7

Military rockets -- 13

Aerial supply and transport of troops -- 39

Divers in action -- 68

Driving wheeled vehicles cross country -- 92

Electronic detection -- 116

From sonic speed to the heat barrier -- 137

Equipment for radiation surveying and dosimetric control -- 156

Technology for the preparation of terrain for military purposes -- 179

Card 1/2

ACC NR: AM6011670

Transistorizing and miniaturizing electronic equipment -- 198  
Navigation in outer space -- 224  
Military tactics of the Soviet army -- 239

SUB CODE: 15 / SUBM DATE: none.

Card 2/2

CZECHOSLOVAKIA

Major Miroslav ZELENÝ Graduate Physician (promovani lekar) and Major Jaroslav FAJSTAVR CSc MD; Department of Otorhinolaryngology of the Central Military Hospital (UR, oddeleni Ustredni vojenske nemocnice) Head (nacelnik) Col Docent Edwin CERNÝ MD; Prague.

"Role of Allergy in Acute Inflammations of the Maxillary Sinus."

Prague, Vojenske Zdravotnické Listy, Vol 31, No 6, Dec 62; pp 281-283.

Abstract [English summary modified]: Authors saw acute sinusitis in 25 from among 1000 soldiers in a year. They analyze 84 patients seen Jul 60 - Jun 61; very thorough clinical and bacteriologic data are given about their symptoms, etiology, bacteriologic tests done. Allergy was responsible for about one third of the maxillary sinusitis cases; mostly bacterial allergy. Five Western references, Czech thesis by junior author.

ACCESSION NR: AP3005955

Z/0055/63/013/008/0579/0585

AUTHOR: Kaczor, J.; Zelený, M.; Šuda, P.

TITLE: Transitional periodic domain structure in thin films of magnetically uniaxial materials

SOURCE: Chechoslovatskiy fizicheskiy zhurnal, v. 13, no. 8, 1963, 579-585

TOPIC TAGS: magnetic plate, magnetic structure, magnetism, magnetic uniaxial material, periodic domain structure, domain structure, ferromagnet, iron magnet, demagnetization

ABSTRACT: The paper gives the theory of transitional domain structure in thin films of uniaxial ferromagnets with an easy axis perpendicular to the film. This domain structure was first studied by Ch. Kittel (Phys. Rev. 70 (1946), 965) and Z. Málek and V. Kamberský (Czech. J. Phys. 8 (1958), 416), who calculated the influence of the demagnetizing energy more exactly. They based their calculations on a simple model of a thin ferromagnetic film composed of domains in the shape of parallel plates alternately magnetized normal to the surface. From the results obtained until now it is seen that there exists a region of critical thicknesses at which the structure of the anti-parallel magnetized

Card 1/3

ACCESSION NR: AP3005955

plates changes into another structure, the type of which depends on the material constants and which is energetically more favorable. Depending on the ratio  $k = 2\pi I_s^2/K_1$ , where  $I_s$  is the saturation magnetization and  $K_1$  the anisotropy constant of the film, the plate structure changes for  $k \leq 1$  into a single-domain film magnetized perpendicular to the film; for  $k \geq 1$ , on the other hand, we get a single-domain film (on the assumption that the film is unbounded), in which the magnetization lies in the plane of the film. It is to be expected that the transition from one to another is not sudden, but that there exists at least one transitional structure. In the present paper a model for such a structure is proposed and its energy is calculated. It is proved that in a certain range of thicknesses this transitional periodic domain structure is energetically more advantageous than the plate structure originally proposed by Kittel. The proposed model explains the transition from the Kittel structure to the homogeneously magnetized film. The results showed that the transition occurs suddenly at a certain critical thickness when the thickness of the film is decreased. "The authors thank Z. Málek (C. Sc.) and V. Janovec (C. Sc.) for valuable remarks and V. Kamberský for help in the numerical calculations." Orig. art. has: 8 formulas and 6 figures.

Card 2/3

ACCESSION NR: AF3005955

ASSOCIATION: Fyzikalni ustav CSAV, Prague (Institute of Physics, CSAV)

SUBMITTED: 13Nov62 DATE ACQ: 26Aug63 ENCL: 00

SUB CODE: EM NO REF SOV: 000 OTHER: 006

Card 3/3

ZELENY, Mojmir

Problem of the initial permeability of ferromagnetic  
powders. Cs cas fye 14 no.3:195-204 '64.

1. Institute of Physics, Czechoslovak Academy of Sciences,  
Prague.

ZELENÝ, M.; FAJSTAVR, J.

The role of allergy in chronic inflammations of the maxillary sinuses. Česk. otolaryng. 14 no.2:78-83 Ap'65.

1. Otolaryngologicke oddeleni UVN v Praze (vedouci: doc. dr. E. Černý).

-073.173

ZELENY, M., HORAK, J.; VONDRA, V.; Otolaryngological Department Central Military Hospital (Otolaryngologicke Oddeleni Ustredni Vojenske Nemocnice), Prague, Head (Vedouci) Prof. Dr. E. CERNY; Department for Medical Aspects of Sports, Central Military Hospital (Sportovne Lekarske Oddeleni Ustredni Vojenske Nemocnice), Prague, Head (Vedouci) Dr. J. HORAK; Internal Department, Central Health Institute, Military of Interior (Interni Oddeleni Ustredniho Zdravotnickho Ustava MV), Prague, Head (Vedouci) Dr. D. FRIEDMANOVA.

"Relation of Vasomotor Rhinitis to Spastic Broncho-Pulmonary Syndrome in Spirographic Examination."

Prague, Casopis Lekaru Ceskych, Vol 105, No 23, 10 Jun 66, pp 612-616

Abstract [Authors' English summary modified]: Ventilation function of the lungs before and after an epinephrine test (s.c.) was investigated in 44 cases of allergic vasomotoric rhinitis and in 20 cases of non-allergic vasomotor rhinitis. In patients suffering from allergic v.r. the percentage of predicted value of

1/2

32

## POLAND

CHOMICKI, Oskar, GOROWSKI, Tadeusz, and ZELENY, Tadeusz,  
Department of Isotopes (Zaklad Izotopow), First Chair of Internal Diseases (I Katedra Chorob Wewnetrznych), Physicians' Postgraduate Training Program (Studium Doskonalenia Lekarzy), AM [Akademia Medyczna, Medical Academy] in Warsaw (Director: Prof. Dr. W. HARTWIG) and Department (Zaklad) XIII, Institute of Nuclear Research (Instytut Badan Jadrowych) (Director: Magister, Inzynier, R. PLEJEWSKI)

"Production of  $I^{132}$  and Its Use in 3-Hour Thyroid Uptake Test."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 34, 19 Aug 63,  
pp 1249-1251

Abstract: [Authors' English summary modified] Authors describe the method for obtaining  $I^{132}$  from  $Te^{132}$  and report their study on its effectiveness in testing thyroid uptake in normal individuals and patients suffering from various thyroid diseases. They report their findings in 3 figures and 3 tables and conclude that the 3-hour  $I^{132}$  uptake test is most reliable, and its diagnostic value equal, or better than the  $T_{24}$   $I^{131}$  test. 2 Polish and 5 Western references.  
1/1

ZELENY, V.

ZELENY, V. Importance of tree growth along the banks of streams for water conservation.  
p. 775.

Vol. 29, No. 11, Nov. 1956.

SBORNIK RADA LESNICTVI

AGRICULTURE

Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

ZELENÍ, Vaclav, inz. GSo.

Runoff conditions during snow thawing in the Moravskoslezske  
Beskydy Mountains. Les cas 11 no.4:339-358 Ap '65.

1. Research Institute of Land Improvement, Prague, Research  
Station Hnojnik. Submitted September 8, 1964.

ZELENYAK, T.I.

Behavior of the solutions to S.L. Sobolev's problem at  $t \rightarrow 0$ .  
Dokl. AN SSSR 139 no.3: 531-533 Jl '61. (MIRA 14:7)

1. Predstavleno akademikom S.L. Sobolevym.  
(Boundary value problems) (Differential equations, Partial)  
(Functions, Periodic)

ZELENYAK, T.I.

Invariant subspaces of one operator. Sib.mat.zhur. 3 no.3:471-475  
My-Je '62. (MIR 15:9)  
(Geometry, Differential) (Spaces, Generalized)

16.3500

8/020/62/147/005/005/032  
B172/B112AUTHOR: Zelenyak, T. I.

TITLE: On a problem of S. L. Sobolev

PERIODICAL: Akademiya nauk SSSR, Doklady, v. 147, no. 5, 1962, 1017-1019

TEXT: The equation

$$\sum_{i=0}^N \frac{\partial^i}{\partial x^i} (a_{i,1} \frac{\partial^2 u}{\partial x^2} + a_{i,2} \frac{\partial^2 u}{\partial y^2} + b_i(x,y) \frac{\partial u}{\partial x} + c_i(x,y) \frac{\partial u}{\partial y} + d_i(x,y)u) = 0, \quad A$$

is considered where  $a_{i,1}$ ,  $a_{i,2}$  are real numbers and  $b_i$ ,  $c_i$ ,  $d_i$  are continuous functions in a limited closed domain  $\Omega$ . The boundary  $\Gamma$  of  $\Omega$  should be three times differentiable and have a positive curvature.  $u|_{\Gamma} = 0$  is assumed as boundary condition. Solutions to equation (1) are constructed that satisfy (3) and that are a generalization of the solutions to the equation

Card 1/2

On a problem of S. L. Sobolev

S/020/62/147/005/005/032  
B172/B112

$$\frac{\partial^2}{\partial t^2} \left( \frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} \right) + \frac{\partial^2 u}{\partial y^2} = 0$$

given in an earlier paper of the author (DAN, 139, no. 3, 1961). The construction is illustrated by three examples.

ASSOCIATION: Institut matematiki s vychislitel'nym tsentrom Sibirs'kogo  
otdeleniya Akademii nauk SSSR (Institute of Mathematics and  
Computer Center of the Siberian Branch of the Academy of  
Sciences USSR)

PRESENTED: June 25, 1962, by S. L. Sobolev, Academician

SUBMITTED: June 19, 1962

Card 2/2

OVSYANNIKOV, L.V., doktor fiz.-matem. nauk; ZELENYAK, T.I., kand.  
fiz.-matem. nauk

Soviet-American symposium of mathematicians in Novosibirsk.  
Vest. AN SSSR 33 no.11:93-96 N '63. (MIRA 17:1)

ZELENIAK, T. I.

Dissertation defended for the degree of Candidate of Physicomathematical Sciences  
at the Joint Scientific Council on Physicomathematical and Technical Sciences;  
Siberian Branch

"Behavior When  $t \rightarrow \infty$  of Solutions to a Problem of S. L. Sobolev."

Vestnik Akad. Nauk, No.4, 1963, pp 119-145

for all functions  $w$  that are infinitely differentiable and finite

$$u = \varphi(x + \mu_1 y) + \psi(x + \mu_2 y), \quad (3)$$

where  $\mu_1$  and  $\mu_2$  are the roots of the equation

L 7759-66 EWT(d)/EWT(1)/EWP(n)/EPA(sp)-2/EWA(d)/EPA(w)-2/T..2/EWA(m)-2

ACC NR: AP5027216 IJP(c) AF

SOURCE CODE: UR/0020/65/164/006/1225/1228

44, 55  
AUTHOR: Zelenyak, T. I.44, 55  
ORG: Institute of Mathematics, Siberian Division of the Academy of Sciences, SSSR  
(Institut matematiki, Sibirskogo otdeleniya Akademii nauk SSSR)67  
BTITLE: Dependence on boundary of solutions of certain mixed problems for equations  
of small oscillations of rotating fluid 1, 55

SOURCE: AN SSSR. Doklady, v. 164, no. 6, 1965, 1225-1228

16, 44, 55  
TOPIC TAGS: differential equation, perturbation, stability

ABSTRACT: The author considers the plane case of the system

$$\frac{\partial u}{\partial t} = v - \frac{\partial p}{\partial x}; \quad \frac{\partial v}{\partial t} = -u - \frac{\partial p}{\partial y}; \quad \frac{\partial \omega}{\partial t} = -\frac{\partial p}{\partial x}; \quad \frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} + \frac{\partial \omega}{\partial x} = 0. \quad (1)$$

for small oscillations of a rotating fluid,

$$\begin{aligned} u|_{t=0} &= u_0(x, y, z); & v|_{t=0} &= v_0(x, y, z); & w|_{t=0} &= w_0(x, y, z) \\ (U|_{t=0} &= U_0(x, y, z)) \end{aligned} \quad (2)$$

Card 1/2

UDC: 517.946

L 7759-66

ACC NR: AP5027216

$p|r \leq 0$ .

(3)

He shows the continuous dependence of the solution on the boundary, obtaining estimates of the effect of small perturbations. This paper was presented by academician S. L. Sobol' on 22 March 1965. Orig. ext. has: 16 formulas.

SUB CODE: MA/ SUBM DATE: 24Feb65/ ORIG REF: 006/ OTH REF: 002

EW

Card 2/2

L 03036-67 ENP(j)/ENT(m) RM  
ACC NR: AP6019185

SOURCE CODE: UR/0376/66/002/002/0205/0213

34  
B

AUTHOR: Zelenyak, T. I.

ORG: Institute of Mathematics, SO AN SSSR (Institut matematiki SO AN SSSR)

TITLE: Stationary solutions of mixed problems arising during the study of certain chemical processes

SOURCE: Differentsial'nyye uravneniya, v. 2, no. 2, 1966, 205-213

TOPIC TAGS: chemical reaction kinetics, catalysis, mixed boundary value problem, differential equation solution

ABSTRACT: The process within a flat catalyzer grain in the case of a single reaction under given assumptions is describable by the system of equations

$$\begin{aligned} \frac{\partial \theta}{\partial t} &= \Pi \frac{\partial^2 \theta}{\partial \xi^2} + kQ_1 e^{\frac{\theta}{1+b\theta}} (1-x), \\ \frac{\partial x}{\partial t} &= \Pi \frac{\partial^2 x}{\partial \xi^2} + ke^{\frac{\theta}{1+b\theta}} (1-x), \end{aligned} \quad (1)$$

Card 1/2

UDC: 517.93

L 03036-67

ACC NR: AP6019185

D

which can be discussed for given  $\theta|_{t=0}$  and  $x|_{t=0}$  and specified conditions at the boundary

$$\theta'|_{t=0} = x'|_{t=0} = 0|_{t=1} = 0; \quad x|_{t=1} = \beta \quad (2)$$

or

$$\theta'|_{t=0} = x'|_{t=0} = 0; \quad \theta'|_{t=1} = \gamma(\theta - \theta_s)|_{t=1}; \quad x|_{t=1} = \beta. \quad (3)$$

Here  $\theta$  is the temperature;  $x$  - concentration of the reacting substance;  $\gamma$ ,  $k$ ,  $Q_1$ ,  $\gamma$ ,  $\theta_x$ ,  $b$ , and  $0 < \beta > 1$  are positive constants characterizing the catalyst and the reacting substance. The author establishes that for an arbitrary set of permissible parameters there exists at least one stationary solution. The number of possible stationary conditions within the flat catalyst grain (taking into account the thermal conductivity of the gas) and the process within a chemical reactor in presence of a catalyst and internal heat exchange during zeroth order reactions (i.e., when the reaction rate does not depend on the quantity of reacting substance) are also investigated. Orig. art. has: 58 formulas.

SUB CODE: 07,12/ SUBM DATE: 30Sep65/ ORIG REF: 003/ OTH REF: 002

ns  
Card 2/2

ACC NR: AP6036834

SOURCE CODE: UR/0020/66/171/002/0266/0268

AUTHOR: Zelenyak, T. I.

ORG: Institute of Mathematics, Siberian Branch of the Academy of Sciences SSSR  
(Institut matematiki Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: On the stability of stationary solutions for a compound problem

SOURCE: AN SSSR. Doklady, v. 171, no. 2, 1966, 266-268

TOPIC TAGS: stability criterion, partial differential equation, stationary solution

ABSTRACT: Consider the equation describing a chemical process inside a plane grain catalyst

$$\frac{\partial u}{\partial t} = \frac{\partial^2 u}{\partial \xi^2} + \lambda(Q - u)e^u.$$

with the initial and boundary conditions

$$u|_{t=0} = u_0(\xi), \quad u|_{\xi=-1} = u|_{\xi=1} = 0$$

where  $Q$  and  $\lambda$  are positive constants. The above equation has a stationary solution  $\lim_{t \rightarrow \infty} u(\xi, t) = \varphi(\xi)$  which is stable if, for  $\varepsilon > 0$ , from the condition  $|u_0(\xi) - \varphi(\xi)| \leq \varepsilon$ ,

it follows that  $\|u(\xi, t) - \varphi(\xi)\|_{L^1} \rightarrow 0$ . The following substitutions are made  $u(\xi, t) = (w + \varphi(\xi))$  and  $\varphi(\xi) = y$ , leading to the function

Card 1/2

UDC: 517.946

ACC NR: AP6036834

$$z(y) = \frac{1}{F'(y)} + \sqrt{F'(y) - F'(y_0)} \int_{y_0}^y \frac{F''(\eta) d\eta}{F'(\eta)^2 \sqrt{F'(y) - F'(\eta)}},$$

where  $y_0 = \varphi(0)$  and  $F(y) = (y - Q - 1)e^y$ . The necessary and sufficient conditions for the stability of the above stationary solution are given by  $z(0) < 0$ . The author expresses his thanks to M. G. Slin'ko for the above assumption concerning the necessary condition  $\partial f / \partial y_0 \geq 0$  for the stability of the corresponding solution, arising from physical considerations. This paper was presented by Academician M. A. Lavrent'ev on 31 January 1966. Orig. art. has 10 equations.

SUB CODE: 12/ SUBM DATE: 26Jan66/ ORIG REF: 006

Card 2/2

KAGANOVSKIY, A.; ZELENYAK, V.

Introduction of technically justified production norms in  
ginning. Sots.trud 4 no.8:94-96 Ag '59. (MIRA 13:1)  
(Cotton gins and ginning--Production standards)

ZELENYUK, I.G.

Effect of radial clearances on the efficiency of a turbine stage.

Neft. i gaz. prom. no.4:27-30 O-D '63.

(MIRA 17:12)

1. UkrNIIgiproneft'.

ZELENYUK, I.G., kand. tekhn. nauk

Restoring turbodrill turbines. Neft. i gaz. prom. no.1:24-27  
Ja-Mr '64. (MIRA 18:2)

ZELENYUK, I. G. Cand Tech Sci -- (diss) "Study of the effectiveness of certain  
methods of organization of the ~~the~~ <sup>flow</sup> ~~flow~~ in turbine-drill turbines." Mos, 1959.  
13 pp (Inst of Geology and <sup>Mineral</sup> Working of Combustible Minerals, Acad Sci USSR),  
150 copies (KL, 50-59, 126)

ZELENYUK, V.K., inzhener-mayor

Ways of eliminating malfunctioning of cable lines. Vest.  
protivovozd. obor. no.8:14-16 Ag '61. (MIRA 14:8)  
(Electric cables--Maintenance and repair)

ZELENYUK, V.K.

Standardization of requirements for the use of equipment  
is needed. Standartizatsiia 29 no.5:54-55 My '65.  
(MIRA 19:1)

MIKOL'SKIY, Yu.N., kand. tekhn.nauk; ZELENNY, I.T., inzh.

Method of testing the rectilinearity of the shaft of a rotary kiln  
according to displaced centers of belting. TSement 31 no.538-9 3-0  
'65. (MIRA 18:10)

1. L'vovskiy politekhnicheskiy institut.

DERBENTSEVA, N.A.; RABINOVICH, A.S. [Babinovych, A.S.]; AIZENMAN, B.Ye. [Ayzenman, B.IU.]; ZELEPUKHA, S.I.; MANDRIK, T.P. [Mandryk, T.P.]; SHVAYGER, M.O. [Shvaiher, M.O.]

Antimicrobial substances of Hypericum perforatum. Mikrobiol.zhur.  
21 no. 5:52-57 '59. (MIRA 13:2)

1. Iz Instituta mikrobiologii AN USSR.  
(ANTISEPTICS pharmacol.)  
(PLANTS MEDICINAL pharmacol.)

BONDARENKO, A.S.; ZELEPUKHA, S.I.; BOCHINOK, P.Ya.; NEGRASH, A.K.  
[Nehrash, A.K.]; KUDRYAVTSEV, V.A.

Antimicrobial properties of *Bidens cernua* L. and *Bidens  
tripartita* L. *Mikrobiol. zhur.* 26 no.1:67-72 '64.  
(MIRA 18:11)

1. Institut mikrobiologii AN UkrSSR.

ZELENYANSZKI, E.

"Tests on the solubility of malt" p. 174, (ELELMESZESI IPAR, Vol. 7, no. 5, May. 1953 Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

ZELENYANSZKI, E.

Solubility of malt; Investigation of carbohydrates in germinating barley. p. 215.

ELEMÉZÉSI IPAR, Vol. 9, No. 7, July 1955

(Mezogazdasagi Ipari Tudomanyos Egyesulet) Budapest.

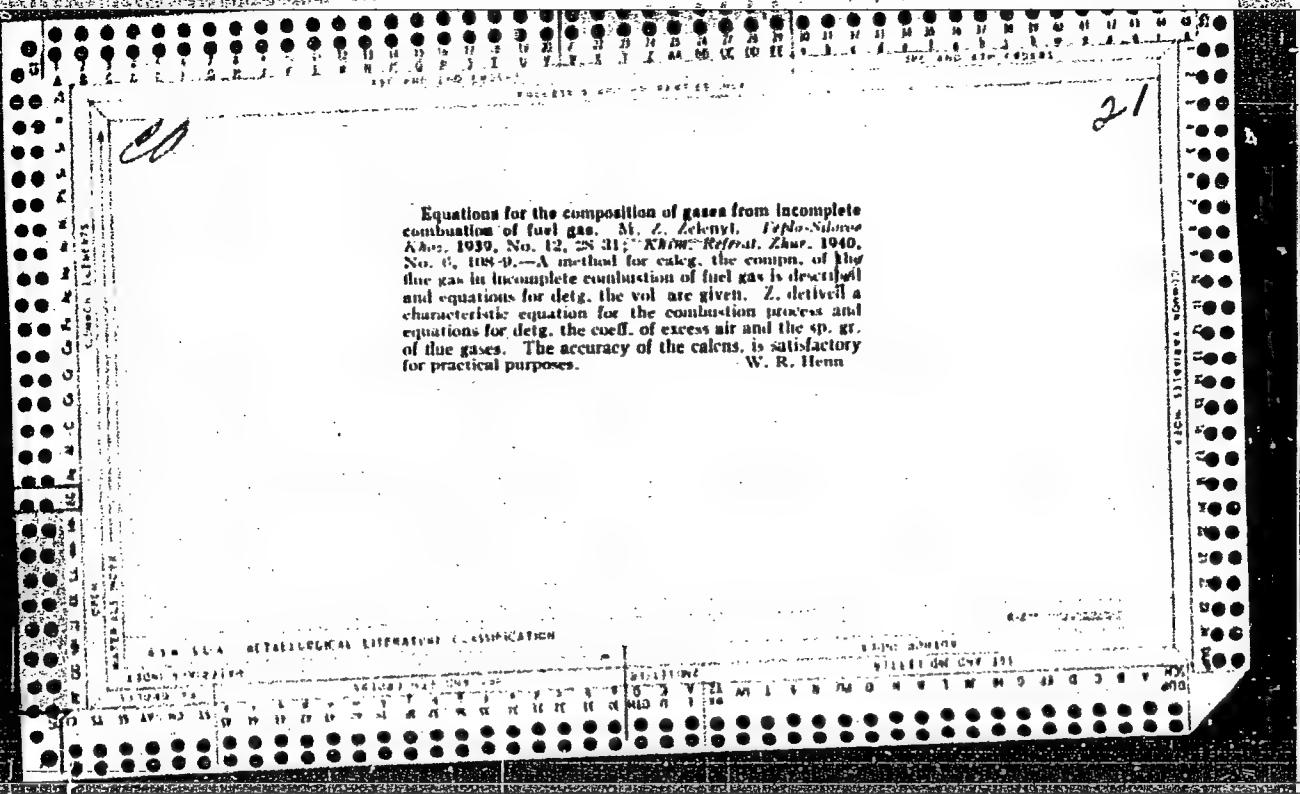
SOURCE: East European Accessions List Vol. 5, No. 1 September, 1956

Zelenyansky, E.

✓ 100 The dissolved quality of malt. Analysis of carbohydrates in germinating barley. B. Zelenyansky. Biologicheskii Vestnik, Vol. 6, 1953, No. 7, p. 51-54. 4 figs. 3 tabs.

The contents of germinating barley are primarily sucrose, glucose and fructose, relatively small quantities of maltose and oligosaccharides, and traces of pentoses. The quantity of sucrose and raffinose remains in the course of steeping and on the first day of germination. Fructose completely disappears after 48 hours, and maltose appears in its place. Water, maltose, glucose and fructose, the quantity of which increases up to the termination of mashing, occur in measurable quantities on the second day of germination. In the finished malt the quantity of glucose almost exceeds that of sucrose. The following four oligosaccharides are detectable: trisaccharides, tetra, penta and hexasaccharides. A relationship may be assumed between the quantity and conversion of sugars present in the course of germination and the dissolved quality of malt; to a certain extent they indicate the end point of germination as well.

Met



ZELENYUK, M.L.

Automatic control of production at the Kozhanskii Sugar Plant.  
Sakh. prom. 32 no.5:46-48 My '58. (MIRA 11:6)

1. Kozhanskiy sakhariny zavod.  
(Sugar manufacture) (Automatic control)

ZELENYUK, S.

An important stimulus. Nauka i pered. op v sel'khoz. 9 no. 6:37-38  
Je '59. (MIRA 12:9)

1. Nachal'nik orgkolkhoznogo otdela Volynskogo oblastnogo upravleniya  
sel'skogo khozyaystva.  
(Collective farms) (Wages)

S/058/63/000/003/073/104

A059/A101

AUTHORS: Pashkova'ky, M. V., Savyts'ky, I. V., Zelenyuk, V. K.

TITLE: Influence of the conditions of preparation on the electric properties of mercuric sulfide

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 71, abstract 3E493  
("Visnyk L'viv's'k. un-tu. Ser. fiz.", 1962, no. 1(8), 90 - 96,  
Ukrainian)

TEXT: The electric properties of  $\alpha$ -HgS obtained by different methods and also the influence of some impurities on the properties of HgS are studied. The polycrystalline HgS samples were prepared by the cold-pressing method of powders obtained in the chemical way or by the reaction of Hg with S in vacuo. The latter technique yield samples of higher purity. In a flask, 160 to 170 mm long and 22 to 28 mm in diameter, 150 g of pure HgS can be prepared in one cycle (15 to 20 hours). Aquadag, In or Sn contacts were used. The temperature dependence of the electric conductance ( $\sigma$ ) was examined in the temperature range from liquid nitrogen to 500°C. The anomalous temperature course of  $\sigma$  in the first heating

Card 1/2

S/058/63/000/003/073/104

A059/A101

Influence of the conditions of...

cycle, and also the phenomena of polarization and depolarization related by the authors to the heterogeneity of the samples, ionic conductivity, and surface phenomena, were recorded. A Cu impurity increases, while Cd, Al, Se, and I impurities decrease the electric conductivity of  $\alpha$ -HgS. The width of the forbidden band of  $\alpha$ -HgS determined from the temperature course of  $\sigma$  is equal to 1.8 e. Single-crystal samples of  $\alpha$ -HgS were prepared by reacting S with Hg in an evacuated flask at 560 - 570°C. Their electric properties are analogous to the properties of the polycrystalline samples, but no polarization is observed in single crystals, though a region of space charge was observed in them by an electro-optical method when current was passed.

Yu. Tkhorik

[Abstracter's note: Complete translation]

Card 2/2

PADALKA, Yefim Sergeyevich; ZELENYUK, Ye.Ye., red.; SHAFETA, S.M.,  
tekhn. red.

[Ultrasonics in the petroleum industry] Ul'trazvuk v ne-  
ftianoi promyshlennosti. Kiev, Gostekhizdat USSR, 1962. 65 p.  
(MIRA 16:4)

(Petroleum industry)  
(Ultrasonics--Industrial applications)

ZELENYY, A.M.

ZELENYY, A.M., inzhener.

Lightweight hose for vacuum apparatus. Sudostroenie 23 no.2:60  
F '57. (MLRA 10:5)  
(Ships--Equipment and supplies)  
(Hose)

VOLOSHCHENKO, M.V.; RIDNYY, A.A.; LITOVKA, V.I.; ZELENYY, B.G.; MAKEYEVA,  
V.P.

Effect of silicon on the mechanical properties of isothermally  
hardened magnesium cast iron. Metalloved. i term. obr. met. no.  
7147-48 Jl '64. (MIRA 17:11)

1. Institut liteynogo proizvodstva AN UkrSSR.

ZELENY, G.P.

"On the Methods of Investigating Conditioned Reflexes in Animals."  
Journal of Higher Nervous Activity, issue #2, 1951 pp 147-59.

*shar Vysib New Day*

ZELENYY, G.P.

"Peculiar Method of Producing a gastric fistula in a Horse." with Gheredkov,  
Chair of Physiology and Chair of Surgery, Leningrad Vet. Inst.  
Fiz. Zhur. Vol 32, No. 6, 1946

ZELENYY, G.P.

Method of investigation of conditioned reflexes in animals.

Zh. vyshei nerv. deiat., Pavlova 1 no. 2:147-159 Mar-Apr 1951.

(CLML 22:5)

1. Department of Normal Physiology, Leningrad Veterinary Institute.

BRAZNIK, Leonid Ivanovich; CHEPURINA, Nikolay Petrovich; ZELEMY,  
Il'ya Iosifovich; AZARNINA, N.I., red.; YEREMINA, I.A.,  
tekhn. red.

[Prestressing of reinforcements using an electric heating  
technique] Napriazhenie arzatury metodom elektronagreva.  
Kiev, Gosstroizdat, USSR, 1963. 96 p. (MIRA 17:1)

(Prestressed concrete)  
(Concrete reinforcement)

ZELENYY, M.Z., kandidat tekhnicheskikh nauk.

Using fuel in carbon black factories. Leg.prom. 14 no.10:34-35 0 '54.  
(Carbon black) (MLRA 7:11)

ZEILENY, N. (Praga, Chekhoslovakiya)

Determining maximal transverse forces in the presence of  
travelling loads. Stroi.mekh.i rasch.soor. 2 no.1:22-26  
'60. (MIRA 13:6)  
(Girders)

ZVÍČEK, J.; HNIK, P.

Course of muscle atrophy in young rats. *Cesk. fysiol.* 6 no. 2:159-165  
1957.

1. *Physiologicky ustanov CSAV, Praha*  
(MUSCLES, innervation,  
denervation, causing atrophy in young rats (Cz))

POPOV, V.Ye.; NIKOL'SKAYA, Zh.D.; ZELEPUGIN, V.N.

Recent data on the age of the contact-metasomatic iron ore deposits  
of the Korgon zone of Cornyy Altai. Dokl. AN SSSR 147 no.3:675-678  
N '62. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.  
Predstavлено академиком D.V. Malivkinym.  
(Korgon region (Altai Territory)--Iron ores)

BONDARENKO, A. S.; ZELEPUKHA, S. I.

Antimicrobial properties of wild and garden strawberries.  
Mikrobiol. zhur. 24 no.1:41-45 '62. (MIRA 15:7)

1. Institut mikrobiologii AN USSR.

(STRAWBERRIES)

ZELEPUKHA, S.I.

Third conference on the problem of phytoncides. Dop. AN URSR/  
no.2:235-237 '60. (MIRA 13:6)  
(Phytoncides)

ZELEPUKHA, S.I.

Growth inhibitors of *Corynebacterium diphthiae*; effect of sulfamide and indole preparations on *C. diphthiae*. *Mikrobiol.zhur.* 9 no.4: 52-58 '48. (MLRA 9:9)

1. Iz otdela patogennykh mikroorganizmov (zav. otdelom - V.G.Drobot'ko) Instituta mikrobiologii imeni akademika D.K.Zabolotnogo Akademii nauk USSR.

(*CORYNEBACTERIUM DIPHTHERIAE*)  
(SULFAMIDE) (INDOLE)

**ZELEPUKHA, S.I.**

Growth promoting substances for *C. diphtheriae*. Mikrobiol.zhur. 9  
no.2/3:88-92 '48. (MLRA 9:9)

1. Iz otdela patogennykh mikroorganizmov (zav. otdelom - V.G.Drobot'ko)  
Instituta mikrobiologii imeni akademika D.K.Zabotelnogo Akademii nauk  
URSR.

(CORYNEBACTERIUM DIPHTHERIAE)  
(GROWTH PROMOTING SUBSTANCES)